measuring a thickness of the resin film at the exposed region and a thickness of the resin film at a non-exposed region which is adjacent to the exposed region;

calculating a difference ΔTr in thickness of the resin film between the exposed region and the non-exposed region; and

controlling a temperature of the heat source of the heating apparatus on the basis of the difference ΔTr calculated and a before-hand obtained interrelation between the difference ΔTr and the temperature of the heat source.

25 (New). A method of controlling a heating apparatus according to claim 1, wherein a plurality of the exposed regions are formed on the resin film.

26 (New). A method of controlling a heating apparatus according to claim 1, wherein the exposed region is positioned substantially just above the heat source of the heating apparatus.

27 (New). A method of controlling a heating apparatus according to claim 1, wherein the irradiation amount D is an irradiation amount where a change amount $\partial \Delta Tr / \partial T$ of the difference ΔTr with regard to the temperature is maximum or locally maximum.--

IN THE DRAWINGS:

Please amend the drawings as indicated in the concurrently filed Request for Approval of Drawing Change and Submission of Formal Drawings.

REMARKS

By this Preliminary Amendment, Applicants have canceled claims 1–23 without prejudice or disclaimer of the subject matter contained therein as indicated on the U.S.